



SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

TEST DATA SHEET FOR P/N 6350 Series Cylinder and Valve Assembly

1. BACKGROUND

- A. CMM 35-21-20 specifies the tests that must be passed in order to return a unit to service. This SIL provides a standardized form on which to record the results of the required functional tests. This form will be incorporated into the CMM at the next revision.
- B. You are authorized to copy the form on page 2. If you copy the form on page 2 you must copy all of the form.
- C. Use this form only for the AVOX Systems components printed on the form. Do not use this form for any other AVOX Systems components or for any components of another company.

2. EFFECTIVITY

- A. Aircraft
The Test Data Sheet on page 2 can be used for all units whether removed from any aircraft or from spares inventory.
- B. This SIL applies to all Cylinder and Valve Assemblies in the 6350 Series.

3. MATERIALS

The only material required by this SIL is the Test Data Sheet on page 2.

4. ACCOMPLISHMENT OF SIL

- A. Make complete copies of the Test Data Sheet on page 2.
- B. Use a copy of the Test Data Sheet from page 2 to record the results of tests whenever a P/N 6350 Series Cylinder and Valve Assembly is tested.

5. TO CONTACT AVOX SYSTEMS:

Use the contact information below to get a copy of a CMM or the revision status of a publication. Give the AVOX Systems part number and the aircraft model when you request a CMM copy.

First tier operators:

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35-21-20
TEST DATA SHEET
6350 Series Cylinder & Valve Assembly

Tested by: _____

Date: _____

Part Number: 6350- _____

Inspected by: _____

Date: _____

Serial Number: _____

Refer to the section 4. Inspection/Check and section 8. Testing in CMM 35-21-20.**4. Inspection/Check Section****Visual Inspection**

Refer to section 4. Inspection/Check for cylinder service life and the hydrostatic test frequency requirements. Check the condition of cylinder surfaces for heat or fire damage, dents, gouges, cracks, distortion, and/or thread damage.

☐ FAIL ☐ PASS**8. Testing Section****D. Valve Test Procedures****Internal Leakage Test**

Perform an internal leakage test.

Inlet Pressure psig (MPa)	5 cc/hour Allowed MAX
1800 to 1850 (12.4 to 12.8)	☐ FAIL ☐ PASS

D. Valve Test Procedures**Open/Close Torque Test**

Perform an open/close torque test three times.

Inlet Pressure psig (MPa)	15 in-lbs MAX Allowed
1800 to 1850 (12.4 to 12.8)	☐ FAIL ☐ PASS

E. Cylinder & Valve Assembly Test Procedures**Gauge Accuracy Test**

Check the accuracy of the cylinder gauge to the master gauge.

Observed Gauge Pressure
Actual ± 50 psig (0.3 MPa)
☐ FAIL ☐ PASS

E. Cylinder & Valve Assembly Test Procedures**Latent Leakage Test (Added per SIL-35-61)**

Charge the CVA to 1800-1850 psig.

Perform a latent leakage test.

No Pressure Change After 48 Hour Hold
☐ FAIL ☐ PASS

E. Cylinder & Valve Assembly Test Procedures**External Leakage Test (Revised per SIL-35-61)**

Perform an external leakage test.

Inlet Pressure psig (MPa)	5 cc/hour MAX. Allowed
1800 to 1850 (12.4 to 12.8)	☐ FAIL ☐ PASS

NOTE: FLOWS ARE GIVEN FOR OXYGEN TEST GAS @ NTPD. APPLY THE APPROPRIATE CORRECTION FACTOR IF OTHER MEDIUM IS USED.